I. minutirameum (C. M.) Jaeg.

Plagiothecium miquelii (Bry. jav.) Broth.

This is a very common moss in the Peninsula, usually on old logs in shady places, but also occurring on the ground.

Taxithelium isocladum (Bry. jav.) Ren. & Card.

T. instratum (Brid.) Broth.

T. nepalense (Harv.) Jaeg.

Vesicularia dubyana (C. M.) Broth.

V. montagnei (Bel.) Broth.

V. reticulata (C. M.) Broth.

Meiothecium microcarpum (Harv.) Mitt.

Occurs on palm trunks and elsewhere in more exposed positions than most hypnoid mosses, often with algae of the genus *Trentepohlia*.

Rhaphidostegium caespitosum (Sw.) Jaeg.

Trichostelium Boschii (D. & M.) Jaeg.

T. brachypelma (C. M.) Broth.

T. singapurense Fleisch.

The hypnoid mosses are so alike in habit and are so abundant that I cannot distinguish any of them in the field with certainty, and cannot make any definite statement about the habitat of most of them. They are usually found on tree trunks, on logs or on the ground, in rather shady places.

Hypnodendron arborescens (Mitt.) Lindb.

Small specimens, collected in the Gardens Jungle by Mr. Ridley.

R. E. Holttum.

Additions to the List of Fraser Hill Plants.

This list is intended to supplement the enumeration of Fraser Hill plants published by Burkill and Holttum in this Bulletin, Vol. III, pp. 33—110.

The material from which it is compiled was obtained by a native collector working under the writer's supervision in August 1923, and by Mr. R. E. Holttum in the following month.

A few plants from the collections of Messrs. Burkill and Holttum have been added, where these have been determined since the publication of the original list.

All the plants, except where otherwise noted, were collected between the 3800 and 4200 feet contours.

SCHIZANDRACEAE.

Kadsura cauliflora, *Bl.* A big liane of Sumatra and Java; in the Peninsula Penang, Perak, Singapore, usually at low altitudes. (11197).

Kadsura lanceolata, *King.* A woody climber, endemic, Taiping Hills at low altitudes. (11266 at 4800 ft.).

ANONACEAE.

Artabotrys venustus, *King.* A big liane of Siam; in the Peninsula Taiping Hills and Gopeng, Perak. (11316).

Polyalthia sp. No flowers collected. (11341).

Goniothalamus Curtisii, *King.* A shrub or small tree, endemic, Perak and Selangor. (11191).

Goniothalamus subevenius, *King.* A small tree, endemic, Kedah Peak, Kelantan, Perak. (Burkill and Holtum 8896).

POLYGALACEAE.

Polygala monticola, *Ridl.* A small shrubiet, endemic, montane, Gunong Bubu, G. Tahan, G. Mengkuang Lebah, G. Benom. (11272 at 4800 ft.).

HYPERICACEAE.

Cratoxylon arborescens, *Bl.* A tall tree of Indo-Malaya and Indo-China; in the Peninsula Perak, Penang, Selangor, Singapore, usually in the lowlands.

FLACOURTIACEAE.

Hydnocarpus castanea, *Hook. fil.* A tree of Burma and Tenasserim; in the Peninsula not uncommon from Langkawi to Malacca. (11277 at 4800 ft.).

GUTTIFERAE.

Garcinia eugeniaefolia, *Wall.* A tree of Tenasserim; in the Peninsula Kedah to Singapore, a lowland species. (11321).

Garcinia ?Hombroniana, *Pierre.* A small tree of Tenasserim; wild or planted over the whole Peninsula. (11224).

Calophyllum canum, *Hook. fil.* A tree, endemic, Penang to Singapore. (11282).

Calophyllum near **Griffithii,** *T. Anders.* A tall tree. (11463).

Calophyllum ?retusum, *Wall.* A tree, endemic and rare, known only from Johore and Singapore. (11468, sterile specimens only).

TERNSTROEMIACEAE.

Anneslea crassipes, *Hook. fil.* A shrub or small tree of Indo-China and the Philippines; in the Peninsula montane, Kedah, Gunong Tahan, the Main Range and Mt. Ophir. (11455).

Adinandra integerrima, *T. Anders.* A small tree of Siam and Indo-China; common in the north of the Peninsula. (11349 at 3700 ft.).

Adinandra macrantha, *Teys. & Binn.* A tree of Sumatra and Java; in the Peninsula Perak, Pahang, Selangor and Johore. (11320, Burkill and Holttum 7760).

Gordonia singaporeana, *Wall.* A tall tree, endemic and common, more especially in the North. (11177, 11454).

Pentaphylax arborea, *Ridl.* A tree 30 or 40 ft. tall, endemic and local. (11332).

Pentaphylax malayana, *Ridl.* A bush, endemic, Gunong Tahan, G. Benom and the Main Range, not common, but abundant where it occurs. (11225).

Ternstroemia micrantha, *Choisy.* A bush of Sumatra, Java, and Borneo; in the Peninsula known only from this locality. (fide Ridley, Flor. Mal. Pen., Supp. p. 291).

STERCULIACEAE.

Sterculia hyposticta, *Miq.* A small shrub of Indo-China, Tenasserim and Sumatra; in the Peninsula not uncommon in the North. (11382 at 3900 ft.).

TILIACEAE.

Elaeocarpus Hullettii, *King.* A tree, endemic, Penang to Singapore, but not very common. (11306).

RUTACEAE.

Evodia macrocarpa, *King.* A tree endemic and rare, Penang and Taiping. (11018).

Evodia pilulifera, *King.* A shrub, endemic and montane, Taiping Hills, Pahang, Mt. Ophir. (11175).

Tetractomia Roxburghii, *Hook. fil.* A tree, endemic, Penang, Taiping, Singapore. (11328).

Zanthoxylum myriacanthum, *Wall.* A thorny shrub or tree, endemic, Penang to Malacca. (11310).

Glycosmis tomentella, *Ridl.* A shrub, endemic and rare, Menuang Gasing, Selangor. (11176).

SIMARUBACEAE.

Eurycoma apiculata, *Benn., var.* A shrub, endemic, Penang to N. Johore, commonest in the north. (11230, and collected here by Ridley).

MELIACEAE.

Chisocheton macrophyllus, *King.* A tree of Java; in the Peninsula Penang, Selangor, Singapore. (11390 at 3500 ft.)

Dysoxylon costulatum, *Miq.* A tree of Sumatra; in the Peninsula common. (11284).

Dysoxylon ?macrothyrsum, *Miq.* A tree of Java and Borneo; in the Peninsula Taiping to Singapore. (11451).

Aphanamixis Rohituka, *Pierre.* A tree of India to Sumatra and China; in the Peninsula common. (11322).

OLACACEAE.

Gomphandra lanceolata, *King.* A shrub, endemic and common. (11278).

Gomphandra penangiana, *Wall.* A shrub, endemic, not very common, Penang to Malacca. (11260).

ILACACEAE.

Ilex Kelsallii, *Ridl.* A small tree, endemic and rare, known only from Bukit Hitam, Selangor. (Burkill and Holttum 8693).

Ilex Maingayi, *Hook. fil.* A tree, endemic, not common, Penang, Perak, Selangor, Singapore. (11325).

Ilex triflora, *Bl.* A bush of Indo-Malaya and China; in the Peninsula common in the mountains. (11294).

CELASTRACEAE.

Perrottetia alpestris, *Loesn.* A bush of Sumatra, Java, Borneo and the Philippines; in the Peninsula not common, Perak. (11125 at 3700 ft., and as *Maesa perakensis,* Ridl. in the original enumeration, Gardens' Bulletin Vol. III p. 58).

SABIACEAE.

Meliosma nitida, *Bl.* A shrub of small tree of Sumatra and Java; in the Peninsula common, usually in the lowlands. (11185, 11209).

ANACARDIACEAE.

Melanorrhoea Curtisii, *Oliv.* A tree endemic, Kedah Peak, Penang Hill, Taiping Hills. (11229, 11336).

? Melanorrhoea inappendiculata, *King.* A tree. (11409, at 4200 ft., sterile specimens only).

LEGUMINOSAE.

Ormosia gracilis, *Prain.* A slender tree, endemic and rare, Taiping Hills. (11326).

Saraca taipingensis, *Cantley.* A small tree, endemic, common from Taiping to Malacca. (11387 at 3200 ft.).

Pithecolobium Kunstleri, *Prain.* A small tree, of Borneo; in the Peninsula Perak to Johore, usually in lowland forest. (11025).

ROSACEAE.

Parinarium rubiginosum, *Ridl.* A small tree, montane, endemic and rare, Gunong Tahan. (11147 at 3700 ft., 11301).

Pygeum Hookerianum, *King, var.* A shrub or small tree, endemic, the species not uncommon, the var. from Kiang Gates, Selangor (fide Ridley). (11164).

Pyrus granulosa, *Bertol.* A tall tree of India to Sumatra; in the Peninsula purely montane, Taiping Hills, Gunong Tahan, Cameron's Highlands. (11241).

LEGNOTIDACEAE.

Gynotroches axillaris, *Bl.* A small tree of W. Malaysia to the Philippines; in the Peninsula common. (11016).

MYRTACEAE.

Eugenia alycifolia, *Ridl.* A tree, endemic and local. (11213).

Eugenia goniocalyx, *Ridl.* A small tree, endemic and local. (fide Ridley, Flor. Mal. Pen. Supp. p. 309).

Eugenia Holttumi, *Ridl.* A tree, endemic and local. (Burkill and Holttum 7751).

Eugenia linoceroidea, *King.* A tree, endemic and rare, Perak. (11456).

Eugenia punctulata, *King.* A tree of Borneo; in the Peninsula not uncommon in the South and on the East coast. (11264, 11469).

Eugenia subdecussata, *Duthie,* var. montana, *King.* A small tree, endemic, the species common, the var. from Kedah Peak and Gunong Batu Puteh. (11211, and collected here by Ridley).

MELASTOMATACEAE.

Sonerila caesia, *Stapf.* A herb, endemic, not common, Upper Perak, Batang Padang, Gunong Batu Puteh. (11033).

Phyllagathis rotundifolia, *Bl.* A creeping herb of Sumatra; in the Peninsula common. (11182).

Medinilla Scortechinii, *King.* An epiphytic shrub, endemic and montane, Taiping Hills and the Main Range. (11135 at 3700 ft.).

Memecylon amplexicaule, *Roxb.* A small tree, endemic, Penang to Singapore. (11212).

SAMYDACEAE.

Casearia minutiflora, *Ridl.* A shrub, endemic and local. (Burkill and Holttum 8581).

BEGONIACEAE.

Begonia longicaulis, *Ridl.* A herb, endemic and rare, Gunong Tahan and G. Kerbau. (Burkill and Holttum 8428).

Begonia isoptera, *Dryand.* A creeping herb of Sumatra and Java; in the Peninsula common, usually in the lowlands. (11103 at 3700 ft.).

Begonia perakensis, *King.* A herb, endemic on the Main Range, but usually below 3000 ft. (11035).

UMBELLIFERAE.

Hydrocotyle javanica, *Thunb.* A creeping herb of Indo-Australia, China and Japan; in the Peninsula not common, usually montane, Taiping Hills, Cameron's Highlands, Upper Perak. (11413 at 3800 ft.).

ARALIACEAE.

Aralia Thomsoni, *Seem.* A prickly shrub or small tree of India; in the Peninsula Penang to Negri Sembilan, usually in hilly localities. (11121 at 3700 ft.).

Schefflera subulata, *Viguier.* An epiphytic shrub of W. Malaysia; in the Peninsula common. (11166, 11244).

Trevesia cheirantha, *Ridl.* A small prickly tree of Burma and Sumatra; in the Peninsula common. (11124 at 3700 ft.).

Trevesia rufosetosa, *Ridl.* A small tree, endemic and local. (11070, and collected here by Ridley).

Brassaiopis speciosa, *Decne. and Planch.* A small thorny tree of Assam, Siam, Sumatra and Java; in the Peninsula known only from this locality. (Burkill and Holttum 7882).

CORNACEAE.

Mastixia sp. A tree. "Not recognised, flowers wanted." (Ridley). (11291).

Aralidium pinnatifidum, *Miq.* A small tree of Sumatra and Borneo; in the Peninsula common, usually lowland. (11217).

Nyssa sessiliflora, *Hook. fil.* A small tree of India, Burma, Sumatra and Java; in the Peninsula montane, very rare, only known from Gunong Batu Puteh. (11169).

CAPRIFOLIACEAE.

Viburnum lutescens, *Bl.* A shrub or small tree of Sumatra and Java; in the Peninsula a local species, Ulu Batang Padang and into Pahang. (11202).

RUBIACEAE.

Argostemma ?Hookeri, *King.* A slender creeper, endemic and usually montane, Penang, Gunong Tahan, Selangor, Johore. (11167).

Urophyllum macrophyllum, *Korth.* A shrub or tree of Tenasserim, Java and Borneo; in the Peninsula not uncommon in the north, occurring also in Singapore. (11222).

Brachytome Scortechinii, *King and Gamble.* A shrub, endemic, Kedah Peak, Taiping Hills, and the Main Range. (11178).

Tarenna lancifolia, *Ridl.* A shrub, endemic and rare, Kedah Peak. (Burkill and Holttum 8686, sub *Stylocoryna fragrans,* Bl., Gardens' Bulletin Vol. III, p. 51).

Gardeniopsis longifolia, *Miq.* A shrub of Sumatra; in the Peninsula common. (11172).

Timonius oreophilus, *Ridl.* A shrub, endemic and montane, Kedah Peak, Pahang, Selangor, Mt. Ophir. (11136 at 3700 ft., Burkill and Holttum 8922).

Canthium didymum, *Gaertn. fil.* A bush or tree of Borneo; in the Peninsula common. (11055, 11280).

Psychotria stipulacea, *Wall.* A shrub of Sumatra, common in the Peninsula. (11081 at 3700 ft.).

Cephaelis elongata, *Ridl.* A shrubby herb, endemic and local. (Burkill and Holttum 8627, Ridley 12073).

Cephaelis triceps, *Ridl.* A woody herb, endemic and rare, Kuala Lumpur. (Burkill and Holttum 8435, Ridley 15667).

VACCINIACEAE.

Agapetes pubescens, *Ridl.* An epiphytic shrub, endemic and local. (Burkill and Holttum 7828, sub *Agapetes Griffithii,* C.B.C., l.c. p. 56).

MYRSINACEAE.

Embelia myrtillus, *King.* An erect or climbing shrub of Burma; in the Peninsula montane, Kedah, Upper Perak, Main Range, Mt. Ophir. (11271 at 4800 ft.).

SAPOTACEAE.

Sideroxylon firmum, *Pierre.* A small tree of Bangka and the Philippines; in the Peninsula rare, Penang Hill and Mt. Ophir. (11148 at 3700 ft.).

Sideroxylon sp. A tree. (11461).

Payena sp., near lucida, *DC.* A tree in fruit. (11327).

STYRACACEAE.

Symplocos adenophylla, *Wall.* A shrub or small tree of Sumatra, Bangka, Borneo and the Philippines; in the Peninsula common. (11159, 11458).

Symplocos ferruginea, *Roxb.* A tree of Indo-Malaya to the Philippines and S. China; in the Peninsula Penang, Perak, Pahang, Negri Sembilan, Malacca. (11215, 11462).

Cordyloblaste confusa, *Ridl.* var. with small leaves. A shrub of Borneo and S. China; in the Peninsula rare, Mt. Ophir. (11281).

APOCYNACEAE.

Rauwolfia perakensis, *King and Gamble.* A shrub of Lower Siam; common in the North of the Peninsula. (11107 at 3700 ft.).

Alstonia sp., near **macrophylla,** *Wall.* A tree of which no flowers or fruit have been collected. (11407).

Ecdysanthera rosea, *Bl.* A climber of Java, new to the Peninsula. (Burkill and Holttum 8407).

Trachelospermum obtusifolium, *Ridl.* A climber, endemic and local. (Burkill and Holttum 8898).

ASCLEPIADACEAE.

Tylophora grandiflora, *Ridl.* A twiner, endemic and local. (11482 at 3800 ft.).

LOGANIACEAE.

Fagraea lanceolata, *King and Gamble, not of Blume.* An epiphytic climber, endemic. A doubtful species, of which flowers have not yet been obtained. Collected in the Taiping Hills by Wray. (11288).

Strychnos ovalifolia, *Wall.* A big liane of Borneo; common in the Peninsula. (11188).

Gaertnera latifolia, *Ridl.* A shrub, endemic and local. (Burkill and Holttum 8606).

CONVOLVULACEAE.

Erycibe leucoxyloides, *Prain.* A bushy climber, endemic, Kuala Lumpur, Johore, Singapore. (11324).

Erycibe Stapfiana, *Prain.* A woody climber of Tenasserim; not common in the Peninsula, Larut and Batang Padang, Perak. (11293).

SOLANACEAE.

Solanum Blumei, *Nees.* A shrub of Sumatra, Java and Borneo; in the Peninsula montane in the Taiping Hills, the Main Range, and Johore. (11245).

GESNERACEAE.

Aeschynanthus lanceolatus, *Ridl.* A creeping epiphyte, endemic and rare, known only from this locality and from Cameron's Highlands. (11138 at 3700 ft.).

Ochradocarpa lilacina, *Ridl.* A herb, endemic, not common, montane in the Main Range on Gunong Batu Puteh and G. Mengkuang Lebah. (11046).

ACANTHACEAE.

Strobilanthes Maingayi, *Clarke.* A small undershrub, endemic and montane, Penang, Taiping Hills and the Main Range. (11412 at 3800 ft.).

Pseuderanthemum Teysmanni, *Ridl.* A sarmentose shrub, endemic and common. (11180).

Justicia Maingayi, *Clarke.* A shrubby herb, endemic and rare, Penang Hill. (Burkill and Holttum 8441, placed doubtfully under *J. subalternans* in the original enumeration).

Justicia uber, *Clarke.* A fleshy herb, endemic and common. (11087 at 3700 ft.).

Justicia vasculosa, *Wall.* A herb of Assam, Tenasserim, and Sumatra; widely distributed over the whole Peninsula. (11014).

VERBENACEAE.

Callicarpa sp. A small tree. (11102 at 3700 ft.).

Clerodendron disparifolium, *Bl.* A shrub of Sumatra, Java and Borneo; common in the Peninsula. (11303).

Gomphostemma Curtisii, *Prain.* A large woody herb, endemic, not common, Taiping Hills and the Main Range. (11100).

Gomphostemma lactea, *Ridl.* A woody herb, endemic and local. (11075 at 4200 ft.).

AMARANTACEAE.

Acryanthes aspera, *Linn.* A tall herb, pantropic; common in the Peninsula. (11200).

PIPERACEAE.

Piper Ridleyi, *C. DC.* An erect shrubby plant, endemic, Upper Perak, Main Range, Singapore. (11122 at 3700 ft.).

Piper uncinulatum, *Ridl.* An erect pepper, endemic and local. (11343).

MYRISTICACEAE.

Knema conferta, *Warb.*, var. Scortechinii, *Warb.* A small tree of Tenasserim and Borneo (the species); in the Peninsula the species common, the var. in Perak. (11313).

Knema oblongifolia, *Warb.*, var. monticola, *King.* A shrub or small tree, endemic, the species from Penang to Singapore, the var. montane in Perak. (11126 at 3700 ft., 11249).

LAURACEAE.

Cryptocarya ferrea, *Bl.* A tree of Java; in the Peninsula Penang and Kelantan to Singapore. (11452).

Cryptocarya Scortechinii, *Gamble.* A tree, endemic, not common, Perak and Malacca. (11330).

Nothaphoebe reticulata, *Gamble.* A tree, endemic and montane, Taiping Hills and the Main Range. (11253).

Phoebe declinata, *Nees.* var. sericea, *Gamble.* A tree of Java and Sumatra (the species); in the Peninsula not common. Penang to Singapore, the var. montane in Perak. (11331).

Actinodaphne Maingayi, *Hook. fil.* A tall tree, endemic, Perak, Malacca, Singapore. (11314).

Actinodaphne ?oleifolia, *Gamble.* A shrub of Borneo; in the Peninsula montane, Perak, Pahang. (11232).

Actinodaphne sp. near **Ridleyi,** *Gamble.* A small tree. (11023).

Actinodaphne sesquipedalis, *Hook. fil.* A tree of Borneo (a var. only); in the Peninsula Penang, Perak, Pahang. (11073 at 4800 ft.).

Litsea panamonja, *Hook. fil.* A tree of India, Burma and Lower Siam; in the Peninsula rare, Taiping Hills, Malacca. (11406 at 4200 ft.).

Lindera caudifolia, *Ridl.* A small tree, endemic and rare, Penang. (11235, and collected here by Ridley).

Lindera selangorensis, *Ridl.* A shrub or small tree, endemic, Semangkok Pass and Gunong Mengkuang Lebah. (11003).

HERNANDIACEAE.

Illigera lucida, *Teysm. and Binn.* A slender climbing of Java; in the Peninsula not common, Perak, Johore. (11484 at 3800 ft., 11194).

PROTEACEAE.

Helicia Kingiana, *Prain.* A tree, endemic, not common, Taiping Hills and Gunong Batu Puteh. (11173).

LORANTHACEAE.

Loranthus malaccensis, *Hook. fil.* A parasitic bush, endemic and not common in open places. (11144 at 3700 ft.).

Loranthus productus, *King.* A parasitic shrub, endemic and rare, Taiping Hills and Ulu Batang Padang. (11389 at 3500 ft.).

Elytranthe albida, *Bl.* A large parasitic shrub of Indo-Malaya; in the Peninsula Penang to Singapore, not very common. (11308).

Elytranthe avenis, *G. Don.* A parasitic shrub of Sumatra and Java; in the Peninsula montane, Kedah Peak, Perak, Pahang. (11323).

SANTALACEAE.

Henslowia Ridleyi, *Gamble.* A climbing parasitic shrub, endemic and montane, Gunong Tahan, G. Benom. (11286).

OPILIACEAE.

Lepionurus sylvestris, *Bl.* A small shrub of Siam, Java and Borneo; common in the Peninsula. (11384 at 3300 ft.).

BALANOPHORACEAE.

Balanophora truncata, *Ridl.* A parasite, endemic and montane in the Taiping Hills and the Main Range. (11132 at 3700 ft.).

EUPHORBIACEAE.

Aporosa Maingayi, *Hook. fil.* A small tree, endemic, Kedah to Singapore, usually lowland. (11317).

Aporosa lunata, *Benth.* A tree of Sumatra and ?Java; in the Peninsula Penang, Perak, Pahang, Singapore. (11388 at 3200 ft.).

Baccaurea Griffithii, *Hook. fil.* A tree, endemic and common. (11123 at 3700 ft.).

Baccaurea parviflora, *Müll. Arg.* A small tree of Burma, Sumatra and Borneo; in the Peninsula common. (11302).

Baccaurea velutina, *Ridl.* A tree, endemic and local. (11319, also collected by Ridley at the Semangkok Pass).

Galearia affinis, *Hook. fil.* A shrub of ?Siam; in the Peninsula common. (11379).

Macaranga sp. Apparently a species new to the Peninsula, but flowers have not been collected. (11161).

URTICACEAE.

Gironniera subaequalis, *Planch.* A tall tree of Ceylon to the Philippines and New Guinea, and S. China; in the Peninsula common. (11334).

Ficus villosa, *Bl.* A strong climbing shrub of Sumatra to the Philippines; in the Peninsula Penang to Singapore. (11486 at 3800 ft.).

Artocarpus polyphema, *Pers.* A tall tree of Java; in the Peninsula common. (11254).

Laportea stimulans, *Miq.* A small tree with stinging hairs, of Siam, Java and Borneo; in the Peninsula not uncommon in the north. (11193).

Villebrunea sylvatica, *Bl.* A tree of Java; in the Peninsula not common, Selangor and Negri Sembilan. (11093 at 3700 ft.).

JUGLANDACEAE.

Engelhardtia Wallichiana, *Lindl.* A tall tree, endemic, Penang, Taiping Hills. (11305).

CUPULIFERAE.

Pasania conocarpa, *Schky.* A tall tree of Sumatra, Java and Borneo; in the Peninsula not uncommon, usually in the lowlands. (11231).

Pasania ?Scortechinii, *Schky.* A tall tree, endemic and rare, Taiping Hills. (11315).

Pasania ?Wenzigiana, *Gamble.* A tall tree of Borneo; in the Peninsula not common, Penang and Perak. (11077 at 4800 ft.).

ORCHIDACEAE.

Bulbophyllum oeneum, *Burkill.* A small creeping herb, endemic and local. (11298, Burkill and Holttum 8676).

Eria Scortechinii, *Hook. fil.* An epiphytic herb, endemic and montane, Gunong Tahan, G. Benom, and the Main Range. (11061 at 4800 ft. and collected here by Ridley).

Trichotosia microphylla, *Bl.* A creeping epiphyte of W. Malaysia; in the Peninsula rare, known only from this locality (Burkill and Holttum 7799).

Phreatia listrophora, *Ridl.* A small epiphyte, endemic and montane, Langkawi, Gunong Tahan, Taiping Hills. (11396, and collected in this neighbourhood by Ridley).

Ceratostylis ?cryptantha, *Ridl.* A dwarf tufted epiphyte, endemic, Penang Hill, Taiping Hills. (11239).

Chelistonele perakensis, *Ridl.* An epiphyte, endemic and usually montane, Perak, Pahang and Singapore. (11300).

Appendicula robusta, *Ridl.* An erect terrestrial herb, endemic and local. (Burkill and Holttum 8856 at 3600 ft.).

LILIACEAE.

Tupistra grandis, *Ridl.* A herb, endemic and montane, Gunong Kerbau, Bujong Malacca, Batang Padang, Perak. (11381 at 3900 ft.).

Dracaena elliptica, *Thunb.* A shrub of Indo-Malaya; in the Peninsula Kedah to Singapore. (11189).

PALMAE.

Areca pumila, *Bl.* A small palm of Siam and Java; in the Peninsula Langkawi to Singapore. (11255).

Daemonorops callicarpus, *Mart.* A tufted palm, endemic, Penang to Johore. (11208).

Daemonorops geniculatus, *Mart.* A rattan, endemic, Kedah to Singapore. (11131 at 3700 ft.).

PANDANACEAE.

Pandanus globuliferus, *Ridl.* A small shrub, endemic and local. (11022. First collected here by Ridley in 1911).

Pandanus Houllettianus, *Carr.* A shrub, endemic, not common. Negri Sembilan, Johore, Singapore. (11256).

ARACEAE.

Amorphophallus sp. A large tuberous herb, of which a fruiting specimen only was collected. (11002).

Alocasia denudata, *Engl.* A herb of Lingga and Borneo; in the Peninsula Langkawi to Singapore. (11108 at 3700 ft.).

Homalomena caerulescens, *Jungh.* A herb of W. Malaysia; in the Peninsula common. (11380).

Homalomena mixta, *Ridl.* A herb, endemic and rare, Tahan river. (11091 at 3700 ft.).

Schismatoglottis mutata, *Hook. fil.* A herb, endemic, not common, Perak, Kelantan. (11287, and Burkill and Holttum 8696 may be this).

Pothos Barberianus, *Schott.* A climbing herb of Sumatra and Borneo; in the Peninsula Taiping Hills and the Dindings. (11145 at 3700 ft.).

CYPERACEAE.

Scleria radula, *Hance.* A sedge of Hongkong; in the Peninsula rare, Gunong Tahan, G. Kerbau. (11117 at 3700 ft.).

GRAMINEAE.

Thysanolaena agrostis, *Nees.* A tall grass of India to New Guinea; in the Peninsula not uncommon in hill forest, but not occurring south of Fraser Hill. (11157).

Bambusa pauciflora, *Ridl.* A small bamboo, endemic and local. (11234).

M. R. Henderson.